

CORRECTED VERSION

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number  
**WO 2005/080821 A1**

(51) International Patent Classification<sup>7</sup>: **F16G 1/28**

(21) International Application Number:  
PCT/IT2004/000081

(22) International Filing Date: 23 February 2004 (23.02.2004)

(25) Filing Language: Italian

(26) Publication Language: English

(71) Applicant (for all designated States except US): **DAYCO EUROPE S.R.L. CON UNICO SOCIO** [IT/IT]; Zona Industriale Vallecupa, I-64010 Colonnella (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BALDOVINO, Carlo** [IT/IT]; Via Chiappinello, 11, I-65016 Montesilvano (IT). **DI MECO, Marco** [IT/IT]; Via Strada Vecchia Fontanelle, 83, I-65129 Pescara (IT). **DI GIACOMO, Tommaso** [IT/IT]; Via Gamberale, 25, I-66010 S. Martino Sulla Marrucina (IT).

(74) Agents: **JORIO, Paolo** et al.; C/O Studio Torta S.R.L., Via Viotti, 9, 10121 Torino (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

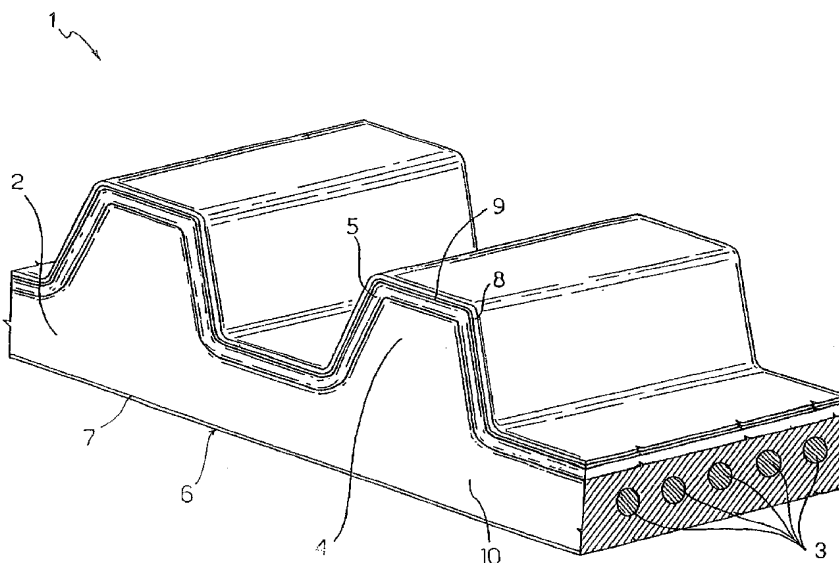
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: TOOTHED BELT



(57) Abstract: Toothed belt (1) for use in contact with oil and comprising a body (2) and a number of teeth (4) extending from at least one surface of the body (2); the teeth are coated by a fabric (5); a resistant layer (8) comprising a plastomer based on fluorine with the addition of elastomeric material, in which the plastomer is present in a larger quantity than the elastomeric material, is applied by adhesion onto the coating fabric (5). The elastomeric material forming the body (2) of the belt (1) is a copolymer obtained from a dienic monomer and a monomer containing nitrile groups, in which the nitrile groups are between 33% and 49%, preferably 39%, in weight with respect to the copolymer.

WO 2005/080821 A1



**(48) Date of publication of this corrected version:**

1 December 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(15) Information about Correction:**

see PCT Gazette No. 48/2005 of 1 December 2005, Section II